# Mountain Weather Forecast

## Lake District National Park

Forecast valid from 00:00 on Saturday 02 Jan 2021 until 23:59 on Sunday 03 Jan 2021

Forecast Issued on Friday 01 Jan 2021 at 09:49

**Confidence:** High confidence for a settled period of weather until the middle of next week, lower confidence for cloud amounts and amounts of wintery showers.

**Headline for Saturday 02 Jan 2021:** A dry and sunny day, feeling cold in the light northerly breeze.

**Mountain weather hazards on Saturday 02 Jan 2021**

**Blizzards**
No Likelihood

**Heavy Snow**
No Likelihood

**Storm force winds**
No Likelihood

**Gales**
No Likelihood

**Severe chill effect**
Low Likelihood

**Poor visibility**
No Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent rain**
No Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 800m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | | | |
| Clear night | Clear night | Partly cloudy (night) | Sunny intervals | Sunny | Sunny | Partly cloudy (night) | Mist |
| Precipitation probability | | | | | | | |
| <05% | <05% | <05% | <05% | <05% | <05% | <05% | 20% |

**Forecast for Saturday 02 Jan 2021**

**Weather:** Dry with some clear spells overnight, leading to a sharp frost**.** A crisp, dry day with long periods of sunshine, although it will be sunny it will feel very cold. Some mist and fog forming at dusk.

**Chance of cloud free mountain/hill tops above 800m:** 90% cloud free tops, perhaps a few bits and pieces of cloud around the fell tops at times but it shouldn't persist.

**Visibility:** Very good or excellent visibility with great views.

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# Mountain Weather Forecast

**Forecast for Saturday 02 Jan 2021**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 18/21 N | 14/16 N | 15/17 N | 15/18 N | 20/24 NE | 24/29 NE | 30/36 NE | 32/38 NE | 30/35 NE |
| **600** | 12/15 N | 9/12 N | 10/14 N | 9/11 N | 13/17 N | 16/21 N | 19/25 N | 20/27 NE | 17/24 N |
| **300** | 5/13 N | 3/10 N | 4/11 N | 5/12 N | 5/14 N | 6/17 N | 7/20 N | 7/20 N | 7/19 N |
| **Valley** | 7/15 N | 5/11 N | 6/12 N | 7/13 N | 9/18 N | 10/23 N | 12/27 N | 11/26 NE | 9/22 N |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | -3/-10 | -3/-9 | -4/-10 | -4/-11 | -4/-12 | -5/-13 | -4/-13 | -4/-13 | -4/-12 |
| **600** | -2/-7 | -2/-7 | -2/-8 | -3/-8 | -2/-8 | -2/-9 | -2/-10 | -2/-9 | -2/-9 |
| **300** | -1/-4 | -1/-3 | -1/-4 | -1/-4 | 0/-2 | -0/-4 | -0/-4 | -0/-4 | -0/-4 |
| **Valley** | 1/-2 | 0/-3 | 0/-3 | 0/-3 | 2/-2 | 2/-3 | 1/-4 | 1/-3 | 1/-3 |
| **Freezing Level*** | 200m | 200m | 100m | 100m | 200m | 200m | 200m | 300m | 300m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

North or northeasterly winds will strengthen during the day increasing the significant wind chill. Notice the very low freezing level.

**Forecast for Sunday 03 Jan 2021**

**Weather:** A cloudy day but some brighter or sunny intervals, cloud may thicken at times to give a few light wintery showers especially in the afternoon in the east,

**Maximum wind:** North or Northeast 15-20mph.

**Chance of cloud free mountain/hill tops above 800m:** 70% Areas of cloud around 600m will cover the felltops at times in the afternoon, perhaps as light snow showers move through.

**Visibility:** Mainly good but perhaps moderate in snow flurries, visibility will be poor in any fog.

**Temperature:** **Valleys:** Zero rising to 3 Celsius.
**At 800m:** Minus 3 Celsius
**Freezing level:** Around 300m.

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# Mountain Weather Forecast

**Ground Conditions Supplement**
Date: Friday 1 January
Location: Helvellyn summit at 11:15
Full report:
More fresh snow overnight and terrain remains widely frozen down to valley level.
Compacted snow on the paths and ice at all levels present real hazards, especially around drainage lines and stream crossings. Lower slopes are particularly affected by ice, and microspikes and/or walking poles are a real asset.

The snow level remains at roughly 300m and increases a little with height to roughly boot-deep in areas where it hasn't been disturbed by the wind. Knee-deep drifts are present in many sheltered dips and hollows.
High ground exposed to the wind tends to be relatively well scoured, and exposed rock across the summit plateau was well covered in rime ice today.

Swirral and Striding edge are both in full winter condition and great care is required on this.
Small cornices have formed on many different aspects, typically around corrie and gully rims and along ridge flanks. These are comprised of soft unstable snow and should be given a wide berth.

Some small upland tarns have frozen over and with snow on the top of the ice, they can be quite difficult to see and present an additional hazard.

Issued at: 0949 on Fri 01 Jan 2021

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